OIPE IAP40 MAR 20 2006 PATENT & TRADEMARK OFFICE

FIG.1

PRIOR ART

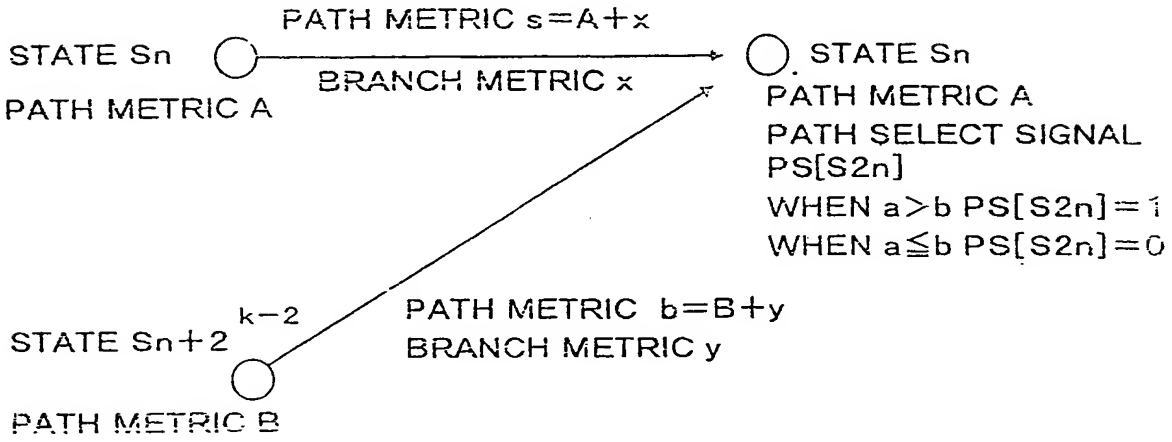


FIG.2

PRIOR ART

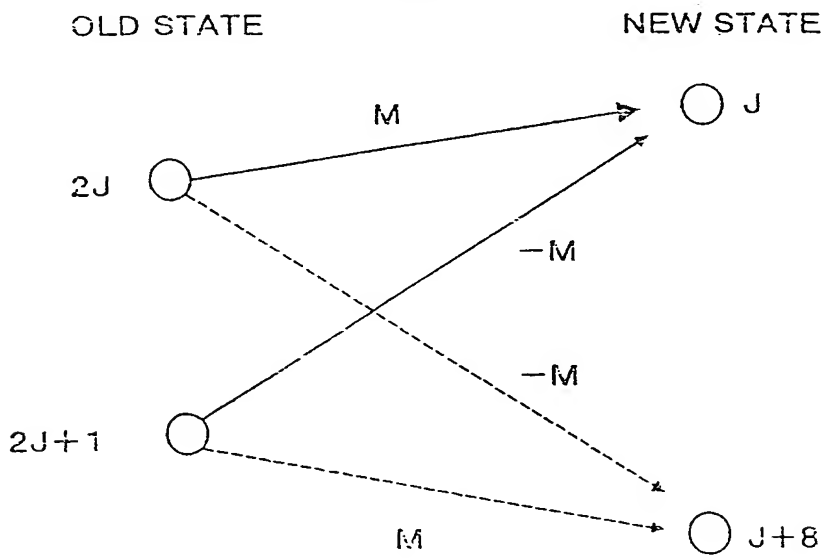


FIG.3

PRIOR ART

J	B(J, 0)	$\overline{B}$(J, 1)
0	1	1
1	−1	−1
2	1	1
3	−1	1
4	1	−1
5	−1	1
6	1	−1
7	−1	1

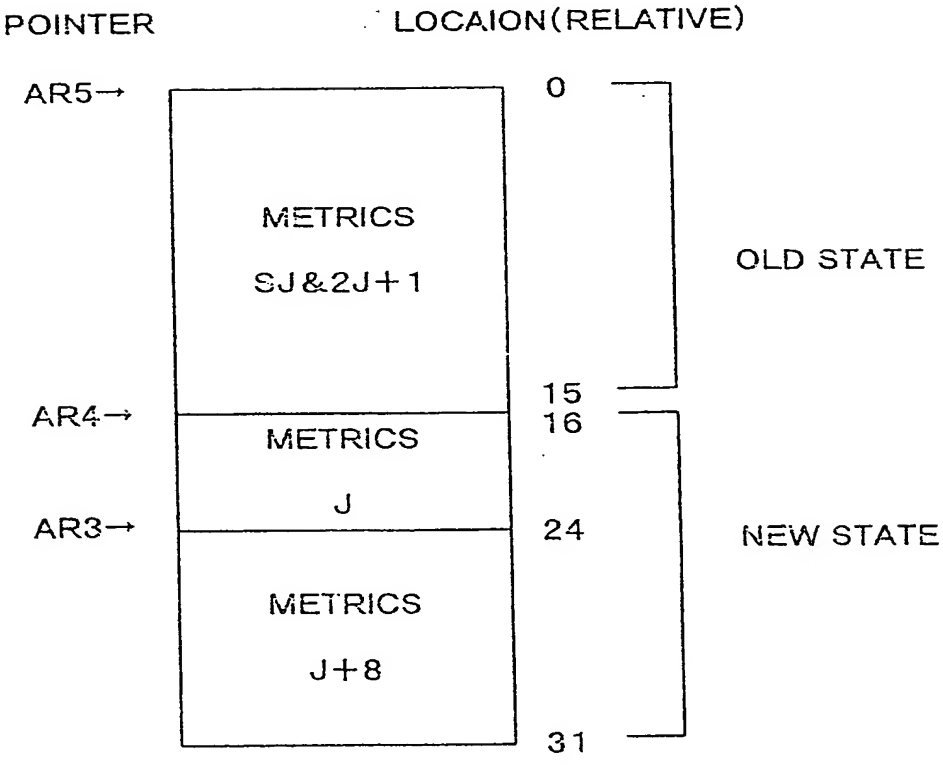
Application No. 10/748,242 Confirmation No. 2133
Applicant: Ryutaro YAMANAKA et al. Attorney Docket No. P24677
Title: PROCESSING UNIT PROCESSING METHOD
Responsive to Official Communication dated: October 18,2005
REPLACEMENT SHEET

FIG.4

PRIOR ART

```
VITRFE  MACRO                :
        DADST  *AR5, A       :A=OLD__M(2J)+T//OLD__(2J+1)-
        DSADT  *AR5+, B      :B=OLD__M(2J)-T//OLD__(2J+1)+
        CMPS   A, *AR4+      :NEW__M(J)=MAX(A__HIGH, A__LOW
                             :TRN<<1, TRN(0, 0)=TC
        CMPS  B, *AR3+       :NEW__M(J+8)=MAX(B__HIGH, B__LC
                             :TRN<<1, TRN(0, 0)=TC
         ENDM


VITRFE  MACRO                :
        DSADT  *AR5, A       :A=OLD__M(2J)-T//OLD__(2J+1)+
        DADST  *AR5+, B      :B=OLD__M(2J)+T//OLD__(2J+1)-
        CMPS   A, *AR4+      :NEW__M(J)=MAX(A__HIGH, A__LOW
                             :TRN<<1, TRN(0, 0)=TC
        CMPS  B, *AR3+       :NEW__M(J+8)=MAX(B__HIGH, B__LC
                             :TRN<<1, TRN(0, 0)=TC
         ENDM
```

FIG.5

PRIOR ART